

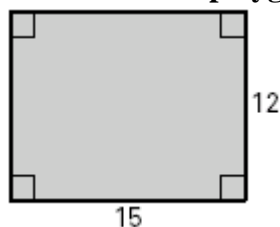
Name _____

Date _____

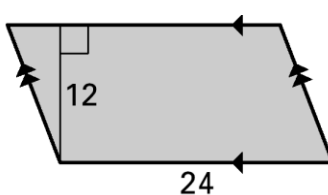
LESSON 11.1

Practice C*For use with pages 720–726***Find the area of the polygon.**

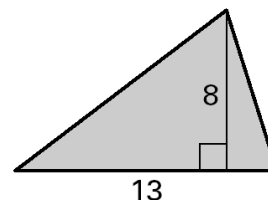
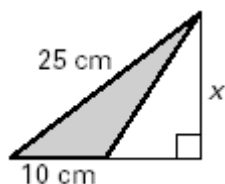
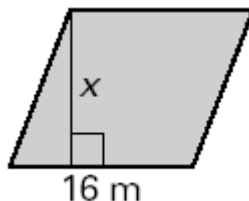
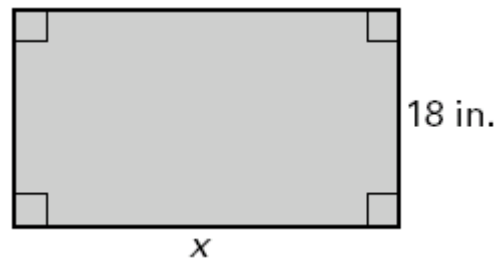
1.



2.

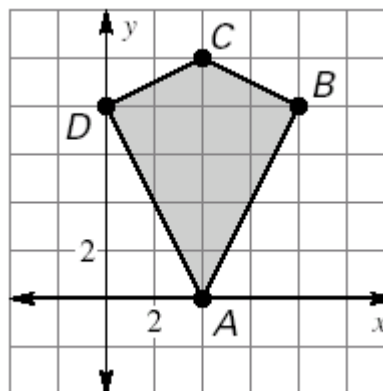


3.

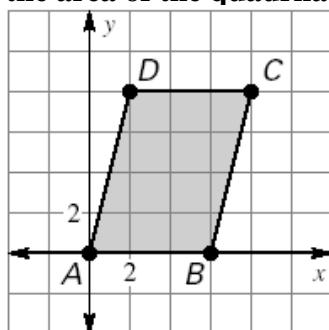
**Find the value of x .**4. Area = 70 cm^2 5. Area = 104 m^2 6. Area = 576 in^2 .**The lengths of the hypotenuse and one leg of a right triangle are given. Find the perimeter and area of the triangle.**

7. Hypotenuse: 17 ft; leg: 8 ft

8. Find the area of the quadrilateral.

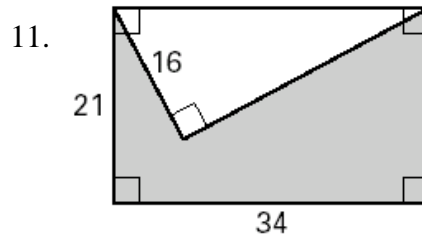
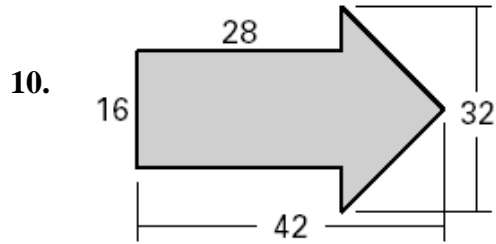
**Find the area of the quadrilateral.**

9.



Find the area of the shaded region.

Mrs. Hayden

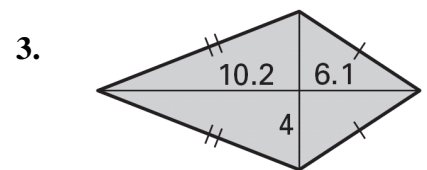
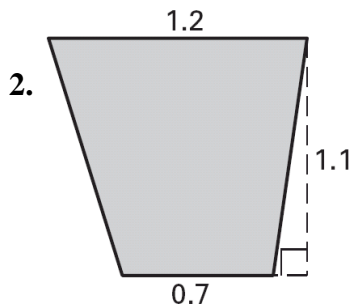
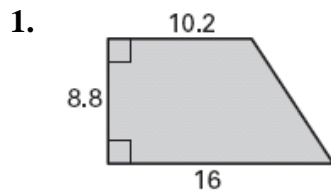


12. **Algebra** The area of a triangle is 225 square units. The base of the triangle is twice the height. Find the base and the height.
13. **Algebra** The area of a rectangle is 84 square inches. The length of the rectangle is 2 inches longer than twice the width. Find the width and the perimeter of the rectangle.
14. **Trigonometry** In $\square ABCD$, base \overline{AD} is 25 units and \overline{AB} is 12 units. Find the height and area of $\square ABCD$ if $m\angle A$ is 30° .

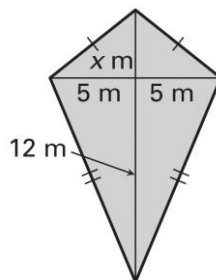
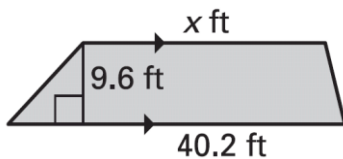
LESSON 11.2

Practice C

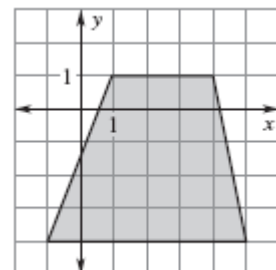
Find the area.



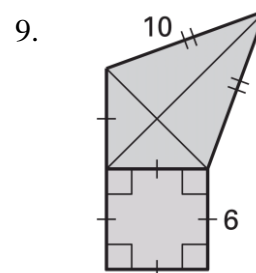
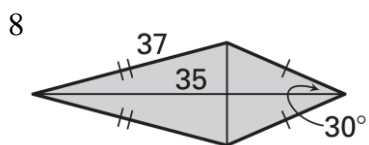
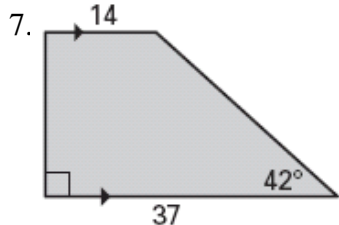
4. Area = 288.96 ft^2 5. Find x . Area = 80 m^2



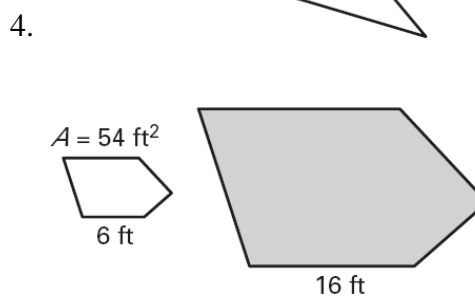
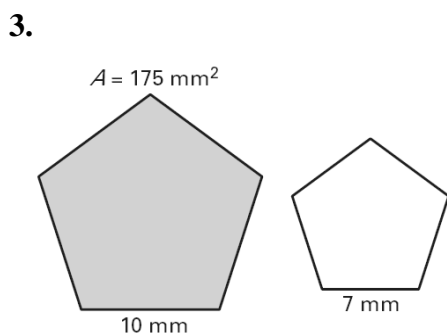
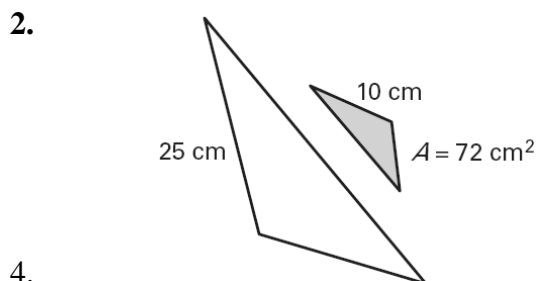
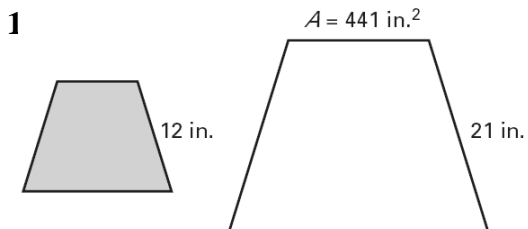
6. Find the area.



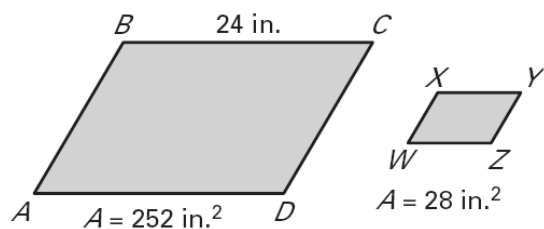
Find the area.

**LESSON 11.3****Practice C**

The polygons are similar. Find the ratio (shaded to unshaded) of the perimeters and of the areas. Find the unknown area.



5. Use the given area to find XY.

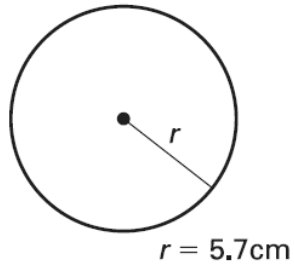


6.

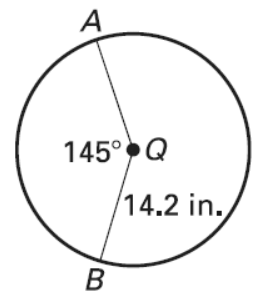
Area $\triangle ABC$ and $\triangle DEF$ are similar. The height of $\triangle ABC$ is 30 inches. The base of $\triangle DEF$ is 8 inches and the area is 40 square inches. Find the area of $\triangle ABC$.

11.4

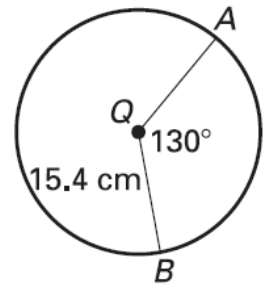
1. Find C.

2. Find the length of \widehat{AB} .

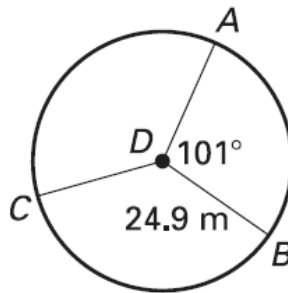
a. _____



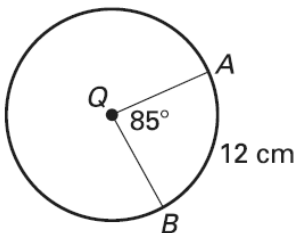
b. _____

3. In circle D shown below, $\angle ADC \cong \angle BDC$.

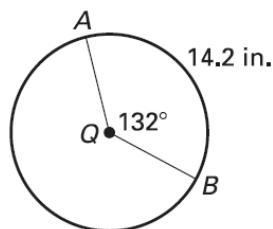
$m\widehat{ACB} =$
 $m\widehat{CB} =$
 Length $\widehat{ACB} =$
 Length $\widehat{CB} =$
 $m\angle ABC =$
 Length $\widehat{BAC} =$



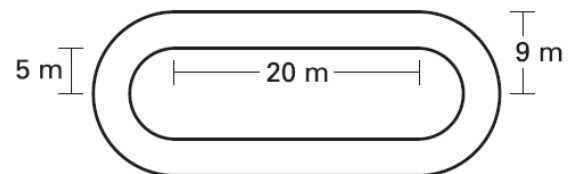
4. Find the Circumference



5. Find the radius

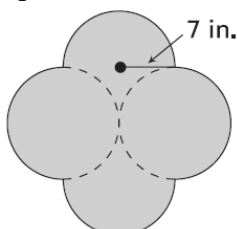


6. Find the distance around the track on the inside lane and the outside lane.



Find the perimeter of the regions

7.



8.

